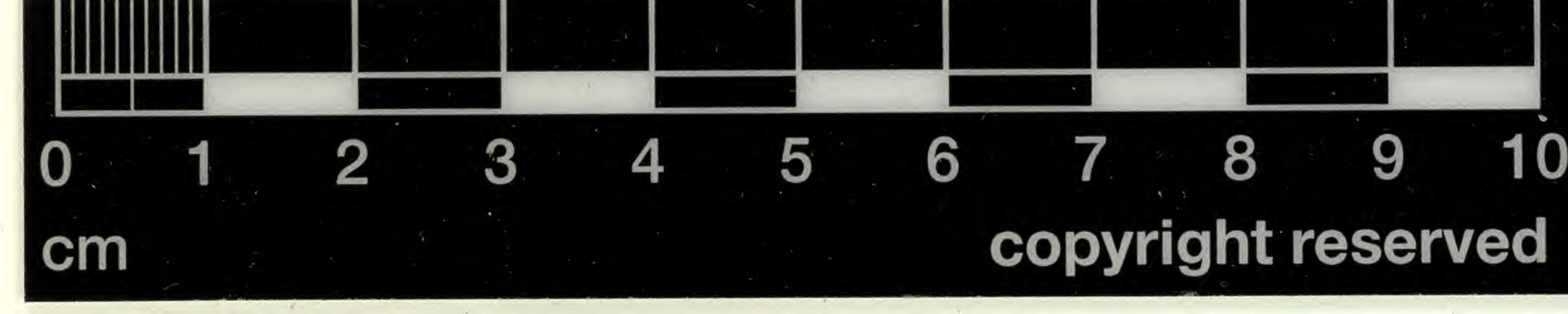


387. M. Constre &C An our conserved 2000 Me mantage 379 Petermate 273. 4 & Longe Low Ten Fall 375 E. petern gil. 380 E how to be love in den 368 Editore trong or home to ciners pers 257 -Upo merodagg ? mtile? 376 Op Alleran 37700 16-1-6-120.



TELLINGWELL AVENUE DRUG STOOM, PASSING AVENUE.

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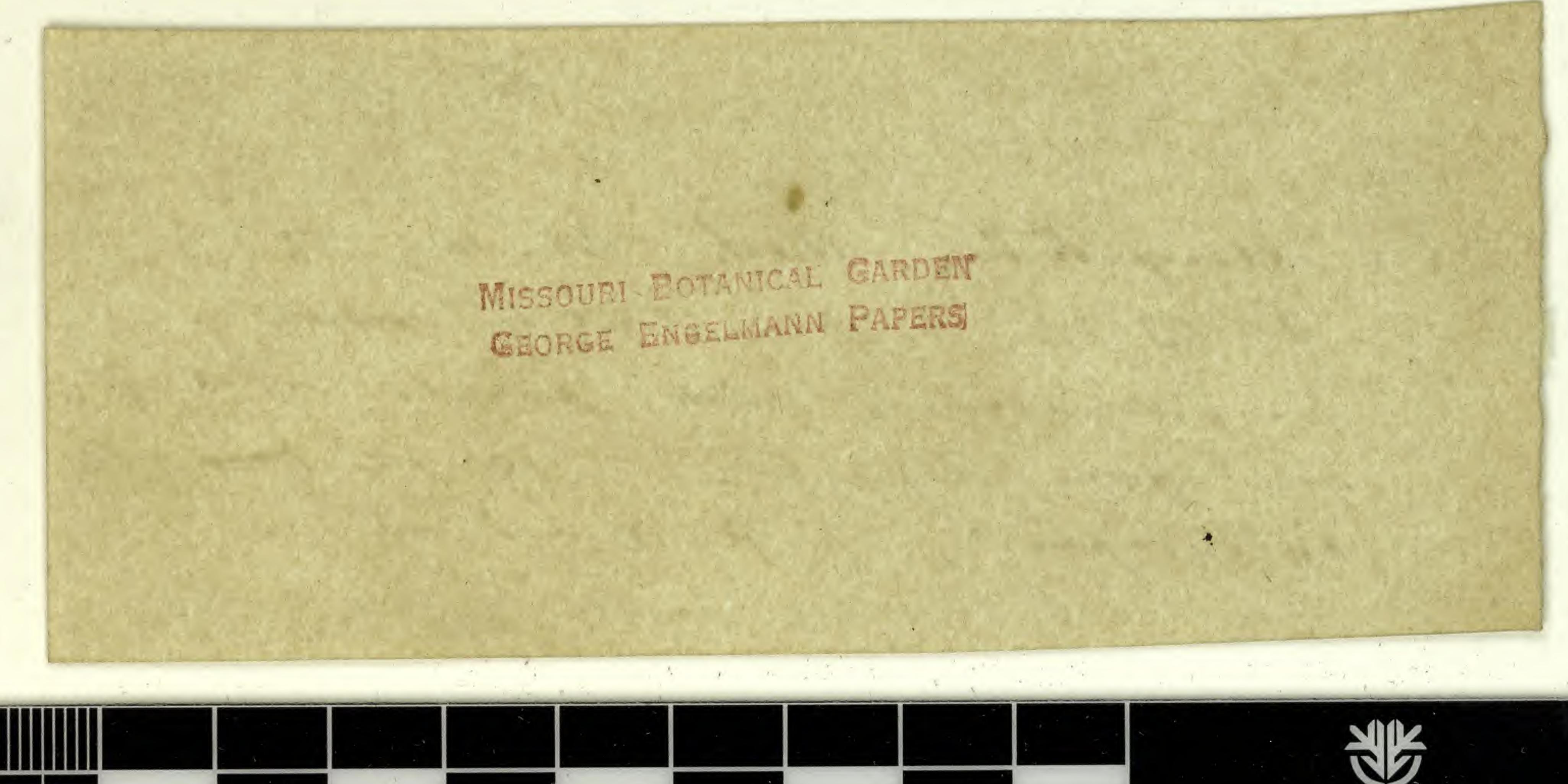
MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS

Office, 411 Olive Street.

GEORGE J. ENGELMANN, M. D.,
Residence, 3003 Locust Street.

2001 165 191 1869 Echichlorophthelin Hook, bet my 74 (1848) 4: 4373. And sel monte. an Echinorens with purple volat fl. 10-12 keep mb ne 12 green skizur-t. enternyte, f. & c. Sim. (te corresponding on element







" Bunch = ball Cuetus - Provincial Dereus phoenicus magnificent Caches but von hare about Fort Whipple. Ih From Sinvariable en broken weky places, hills, among do opuntiae "A" +"B" etc. Usuall It is found in the Crevice between lang nocks. and often on the little soil that may hurs Collected upon their auguce. - I have seen it of Even pegg. from a single bull up to an immense hemisjohers og afgregaled. bælle three firt un d'iamelir, aux a foot avil a half, or more in depth, When of large Rize, and in full bloom, it perious a most fortrous appearance; the light freen muss so strange in schake, silvered over withouts filagree work of spines, from out of I which sprout forth its bruid red of bright Scurlet Howers; - lach centred with the green-tipped pistel, - formung a contrast as lovely as it is striking with the duell fray hard aufular works on which it reposes. He individual from which the Specimens Ka Kb. were taken (and also neamerous detached flowers in the feverue Herbarium) was one of the largest I have met with; and in full bloom May 3rd. The Intercles from the apreces of which opring the spines are to nearly coalesce with Euch other, in a perpendicular series: 20 that the globes are rather vidged than tuberculus though there is, indeed between Euch hebercle a Alight and caten of separation. These ridges nun MISSOURI

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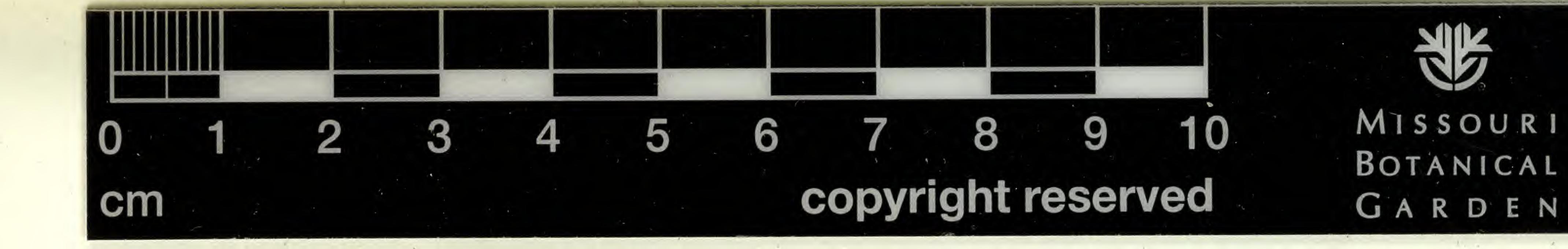
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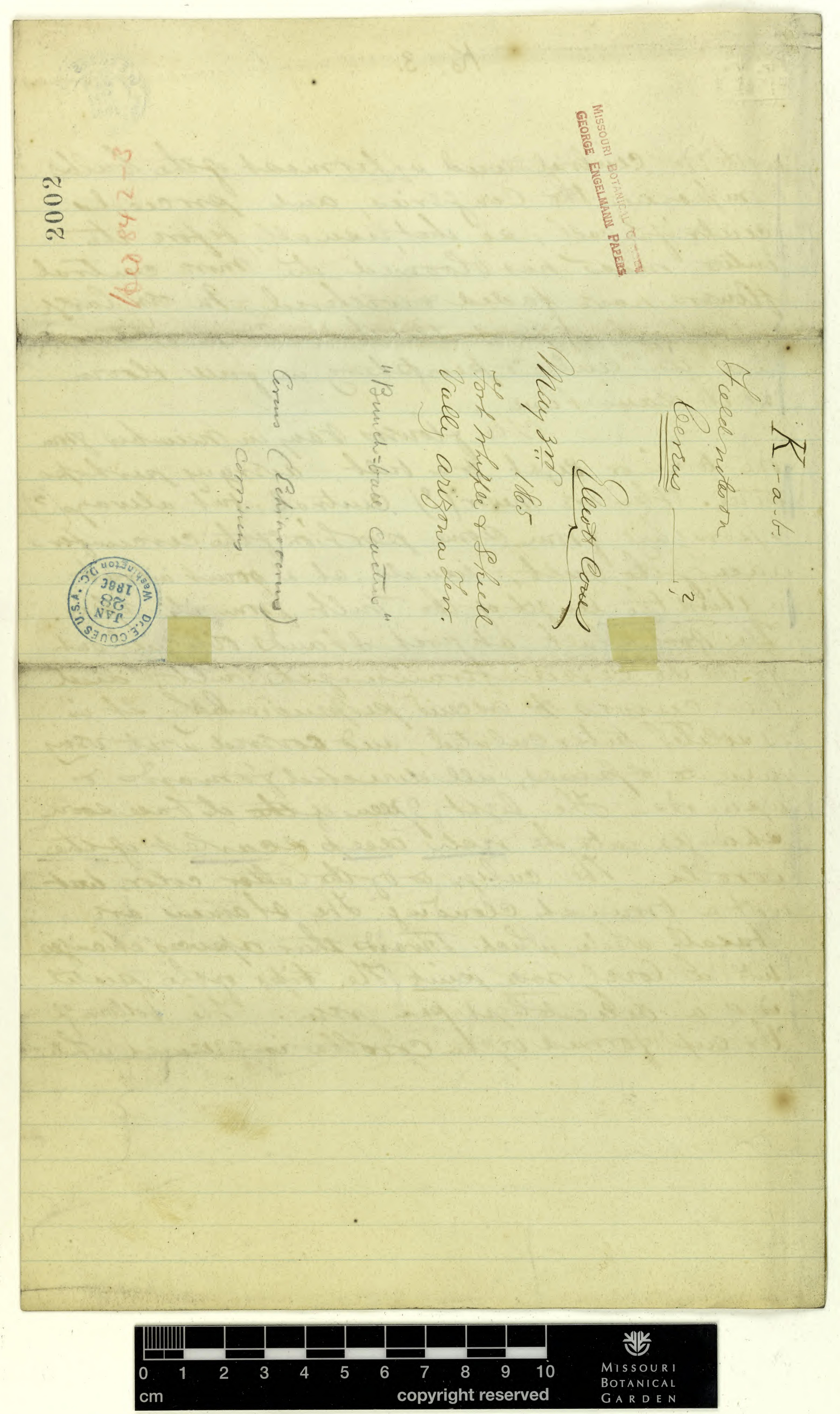
I full der Reel Culus mot un to teast sprach from base to apex I Telow, they are less Elivated I the floorow sulcus belives when ven shullow; or they may be almost quite obsolite. For and the apy however, they invariable stands out in. vold relief, after which, Curving bowards Each other, at the superior Sole of the flobe, they are less. Elevated namour, and finall lose themselves altogether in the mass of young spring springing from the top of the bull. The Spiniss are Osy munerous avtraful a dogen or more to Euch tubercle The those opening from the lower most thebences alow any Budruces to radiale & les flativise to the bull, the rest stand out in use dur chin. Wheir awithyou blender in shake, and near for quite straight. In Color, the majorit of thew are pure white but towards those from your from near the aper if the bull - and Especial to longer of these, may have a part, or thourhole (caph thorptreme trase) of their Extent of a delicate kurplish brown Frigs. The appex of the bulls, where the meridians "(rios) convergs; is de breased forming a cublike court filled with the yourgent sprines. The bundles of these are hun so clasely affreguted, that they crun Careely be discerned ycept as one maps. In Color, these mas cent of fames have are ga delicate true parent zellowish white ter-hundled with brown. The flowerup of the flant be guis MISSOURI

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Sauce 1 Whites MISSOURI BOTANICAL copyright reserved GARDEN

It the Central and uppermast of the vulles omposing the Conferies; and proceeds centrifugall, so that usuall, before the entire mas has bloomed, the more custral Howers have faded & withered. - In very large plants it it probable that seldom or never are the centre & penphers un fuce Hoom The flowers trang in number from thee. They are never [?] courtral; but always [?) Spring from Dome per from the cercunferancegato bull, - riduall at a point about a third the length of the bull from its after. The fool stack at first Itauds obliques out from the cercumferance of the bull, and then curves to coscered personeliculatel. It is of soliles tuber culated, and covered with very delicate & fames, all directed forwards & upwards. - The light freew of the de trace soon chauses into the rich deep searlet of the Corolla. The caly sof the Cutter color, but with a brownish clouding. The stamens are basally white, which Toward their aprices chauses is a a delecatolizat pea green. The bottom of the cuf formed by the Corolla is greenish white.

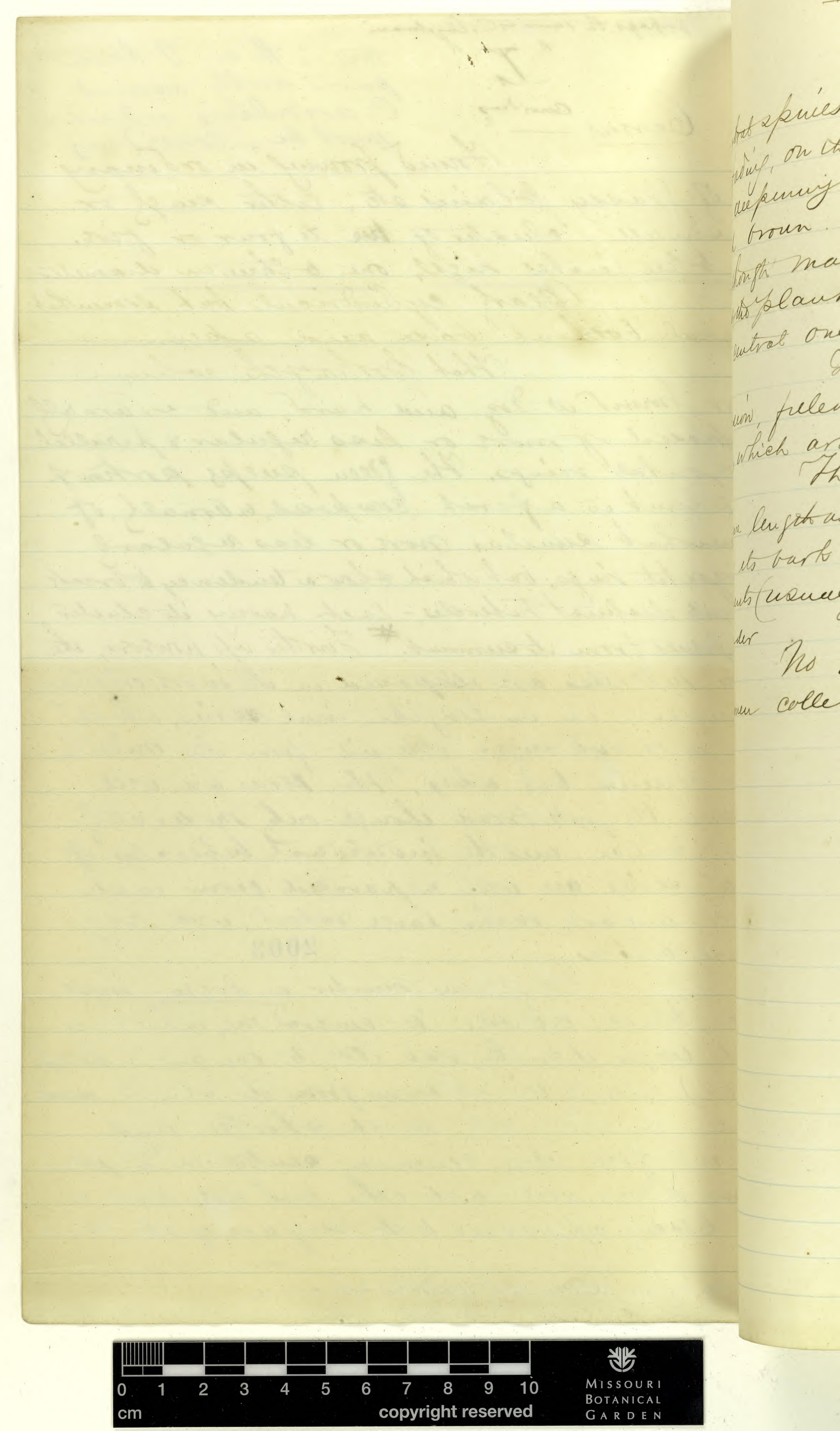




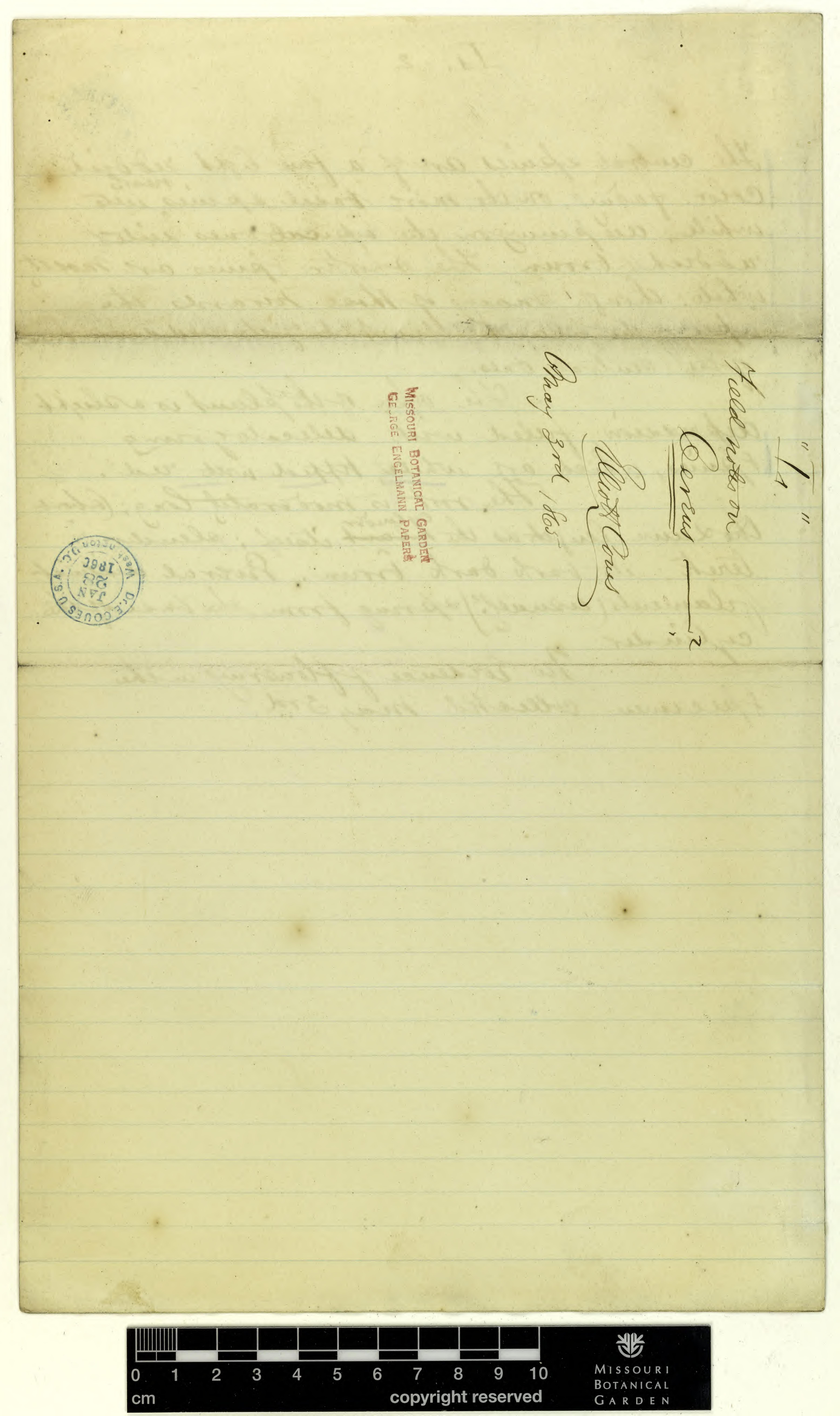
propage the same of C. Engelmani

Their is the one I have provid it well seamed Ciarilary and and Comes day Howied frommel in ordinary soil of frassy blaines etc, Either Rings or in small cluster of two to four or five. It to tew weeks high, one to three in diameter Reart eyludricul but somewhat conicul both at base and april. That fortimes the column under from It to gave hard, and externall compaared of more or lies refular & parallel horzontal nings. The freen bulky korting the plant is afterst composed, externally, of Domewhat Rimelar nove or less regulant homzon tet vings; but which show a tendency & treat uput dishuet Fuhereles, - Each having its cluster of spaces from its summer. Firsther up however, the Span futercles are disposed in the more ordinary manner, - 1.l. in lengitud vinul sterus, which run with byt slight obliquit from the middle y the column but apex, The peries are well defined by suito broad though only moderalet. delp sulci, and the individual bubereles of Each Revies are well separaled from Euch other, and are rather large vestout, with orny obhise apéces The opines number a dozsu, more or leas, to Each Tubercle, - The cuetral one, which is much longer than the real one to one and a heref (luches) stands directs away from the plant, and while the others are much shorter, and raviate from their common centro on a plane Dame plane with Euch other, and are more or less Clasel appressed to the surgacing the plant. # Mui may les un accedentaté des los bet 2 pe ceinen MISSOURI

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The central spices are of a fine light reddish color: fading, on the more basel spines with while ace penning on the aproach ones with white though many of these towards the aper of the plant pastate of the reddish here of the central ones. The aper of this plant is a slight depression, fieled with delicate going the root is moderated long; which are white hoped with long; when the sort is moderated long; when the search is moderated long; when the search is so base of the feature of ceptions. Sweral distinct from the base of the ception of of

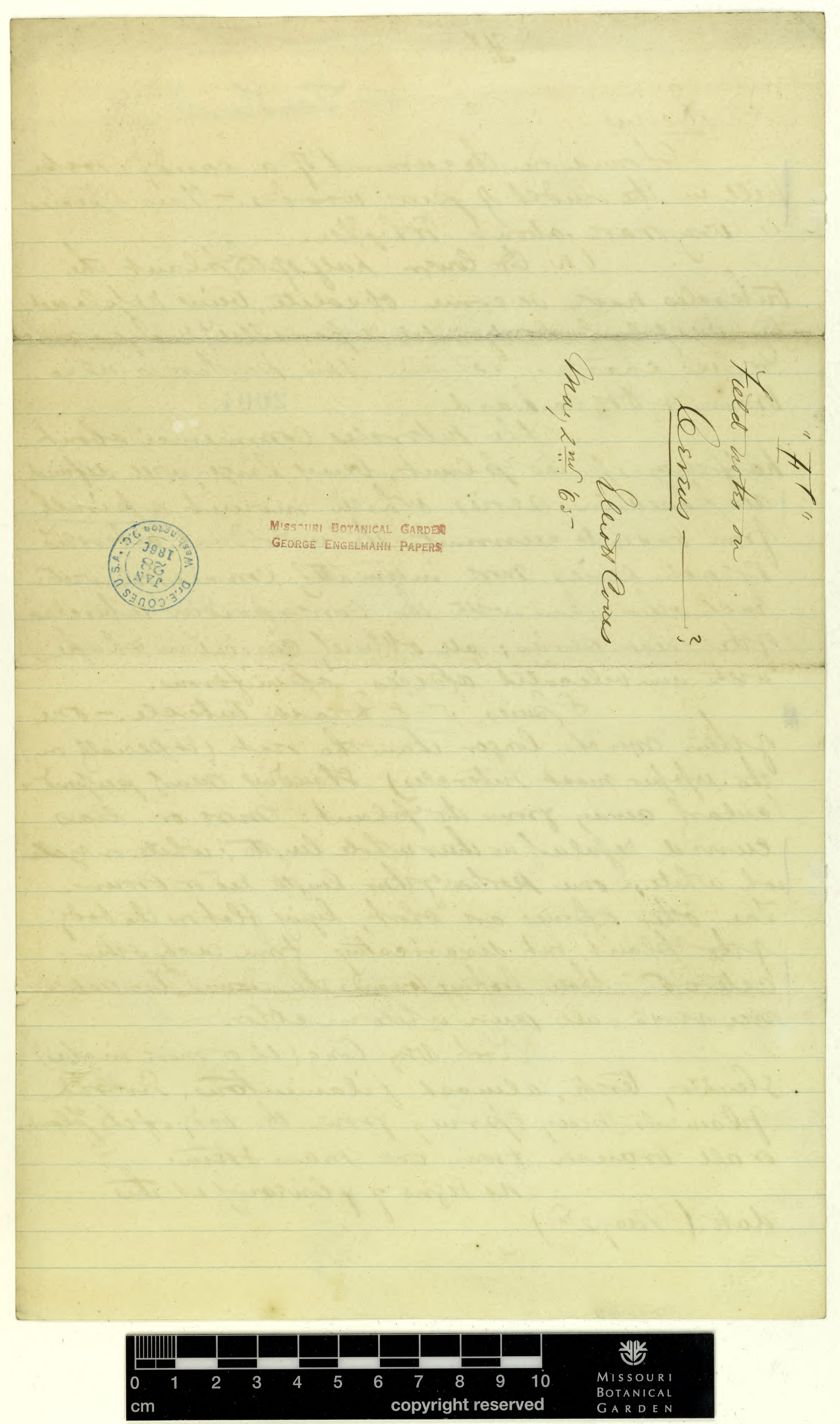


Found on hoxummit of a sandy & rockey hill in the soudst of prine woods. - This species is very rare about brhiffle. On the lower half of the falant the tribercles have be come obsolete, being replaced by virificant honzmatat & parallel rieges, more or lies sharfely defined. This karten is also brown 2004 2004 The Tubs commence about holfwayrep in plant, being large, well defined, des pased in Deries which mount spirall from base to summit; the undividual Tuberslis Truch Renes more intrinated connected with Euch other, than with the corresponding tubercles of the next series; all obtusel conical in shape, with am bilicuted afacces, afamiferous. Faures 5-8 to Each Tubercle. - one of them much longer than the rest (Especially on the upoper most Tubercles) Standing near persend cular away from the plant: more or leas Eurord refular in their whole length, white or yellow white; some portion of their length red or brown. The other spines are obort, lying flat on the body Ith plant, but divaricating from Each other: "asterois" those looking lowards the from I longset, & vice versu, all pur white in color. Nort Orng long (12 or more inches) Sleuder, Erste, almost filamentous, Several Julaments may spring from the body of the plant. or all branch from one man stew. Mo signs y flowery at this

date. (May 2 nd) MISSOURI BOTANICAL

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GARDEN



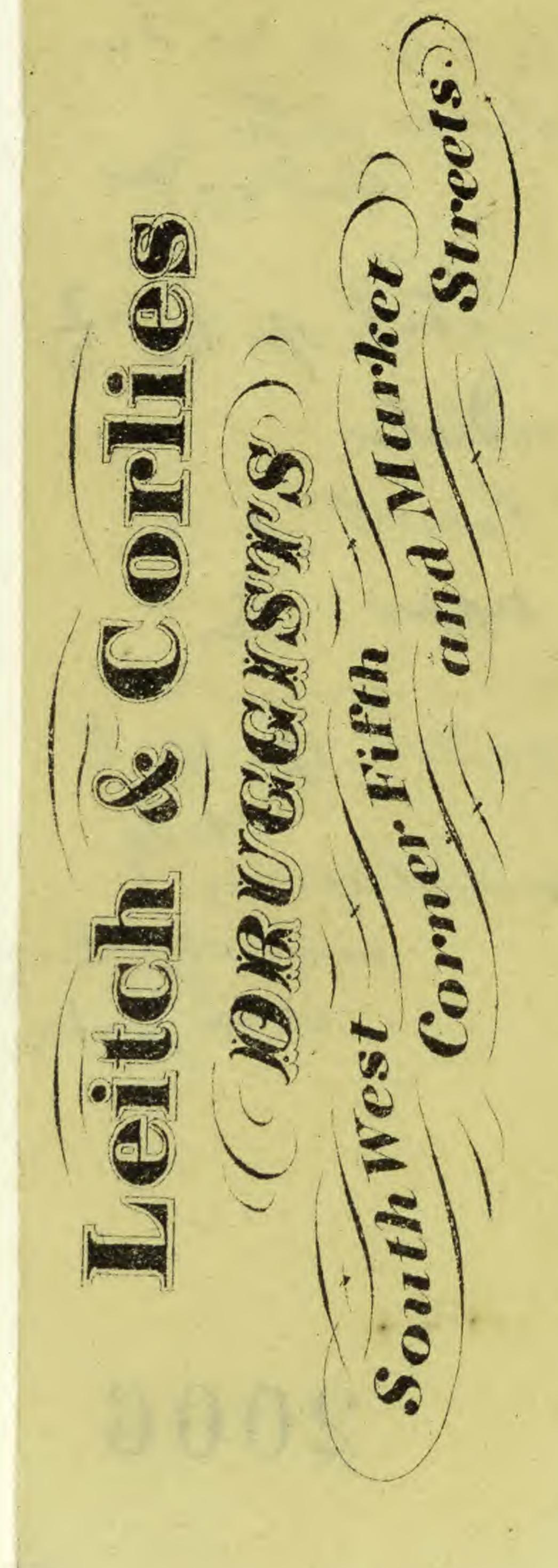
Montagne au dessus de Jundalape Vallée de Mexico (assez vare) 21 Junia 1865 Bourgeau Effent francise He min Phuis Apil 1x69 (in fruit only. Cercus (Pchinorereus) Ciucha Sacans Japedalis I vostatur, costis intemptis Laborrulati, arcoles mulosits jun lauti ambeis arienlamber rechti, stranis neis, 4-5 ratulbuy robustionston longion ben basi nodeløser observiont, fere 10 radielby quon l'afonion Congione. flority out apire oriundis. bron globora (pollerani, andi 30-40 ænlesferir stipeta sem ibn imagulaniter sombioulati 2005

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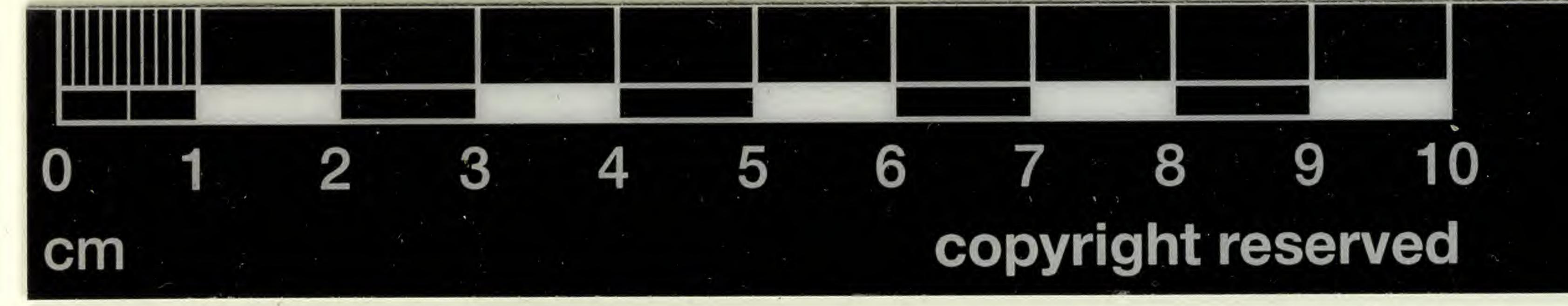
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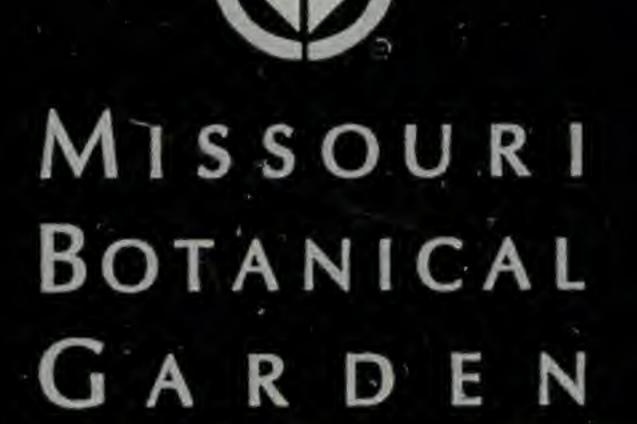
Cincurson June 14 1882 a: Echilotery Howen 3/2 in los 3/2-4 in wide with thouse witer: NE 371 9 along 1880. Parras 3 centrel, 1p. 1/2-2 12 Ci 372 Jastallo

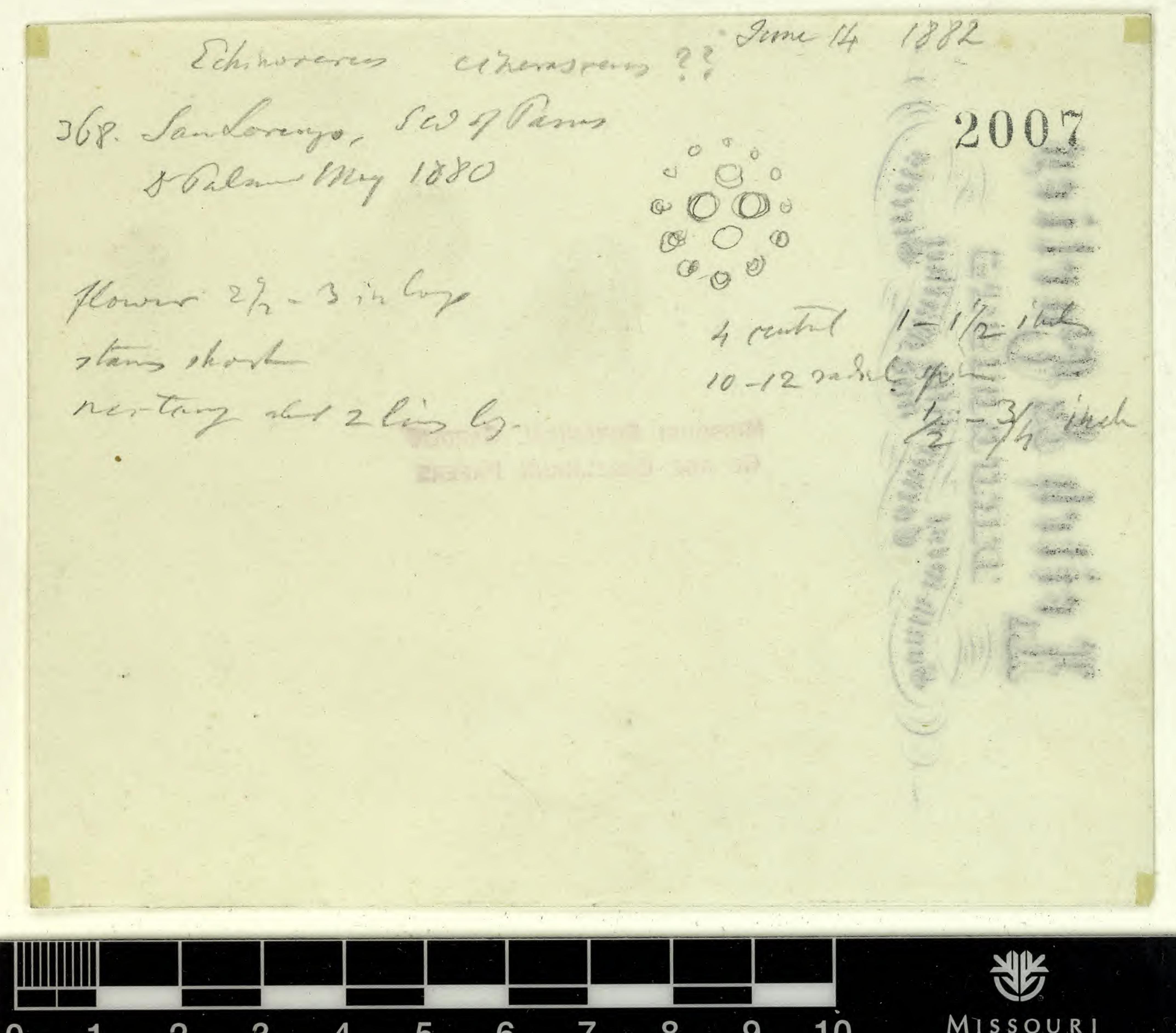




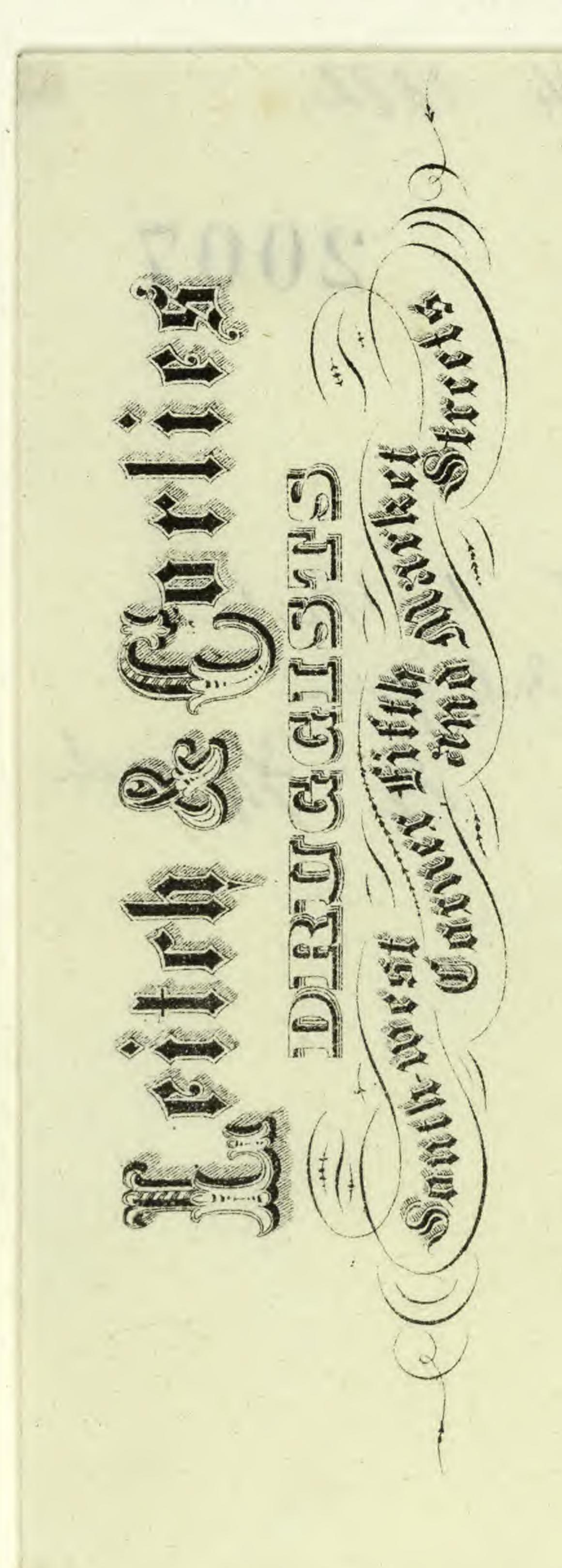
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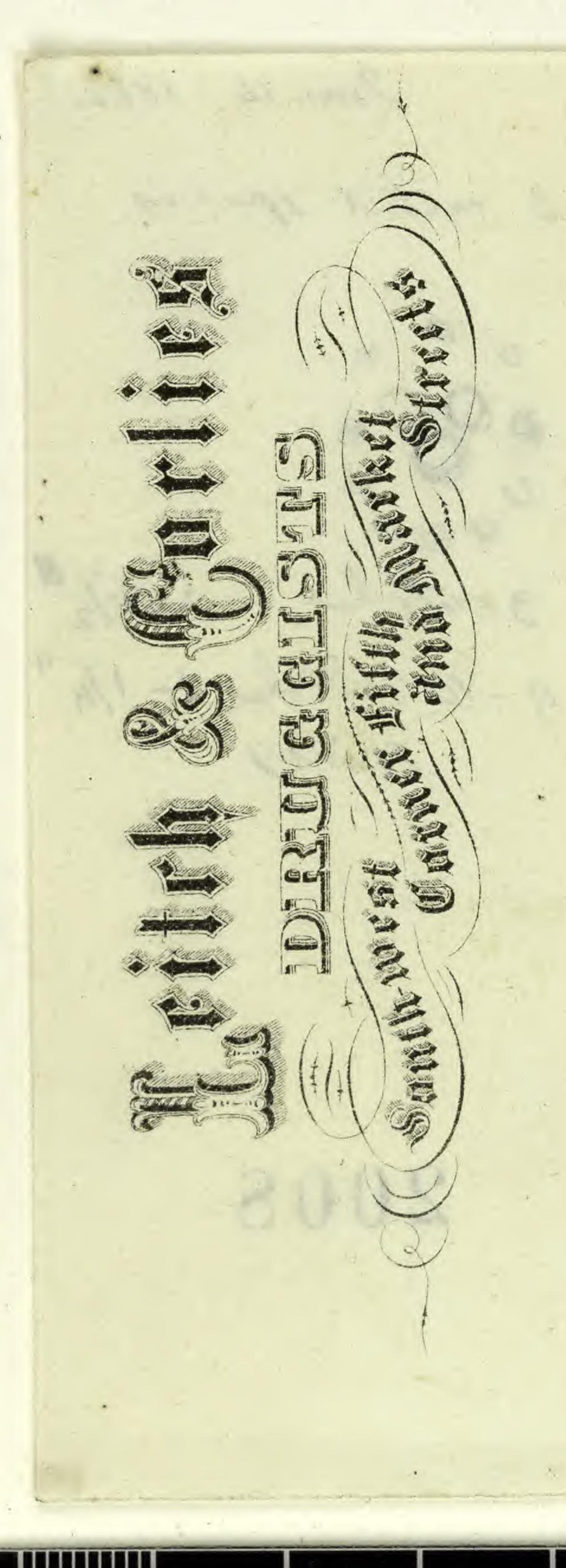
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Ethnorom Cin Inn 14 1782 NE 369 Falmer, 1880 10 milial and 3 centre spring Sandoringo S.W. Parries 999 2008





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June 14 1882 Edinocorny Com 2009 NC 370 & Palmer 1080 Parras 3 state cetted spring 388 rol quite mature off our formation 4 angular observely annulately 3- 4 inchy -nord the only below, Cor7, 215-1-2-2/2-14 2. He fruiting specimen of same necessities the spiring Thates one angles and nearly equal dusky

